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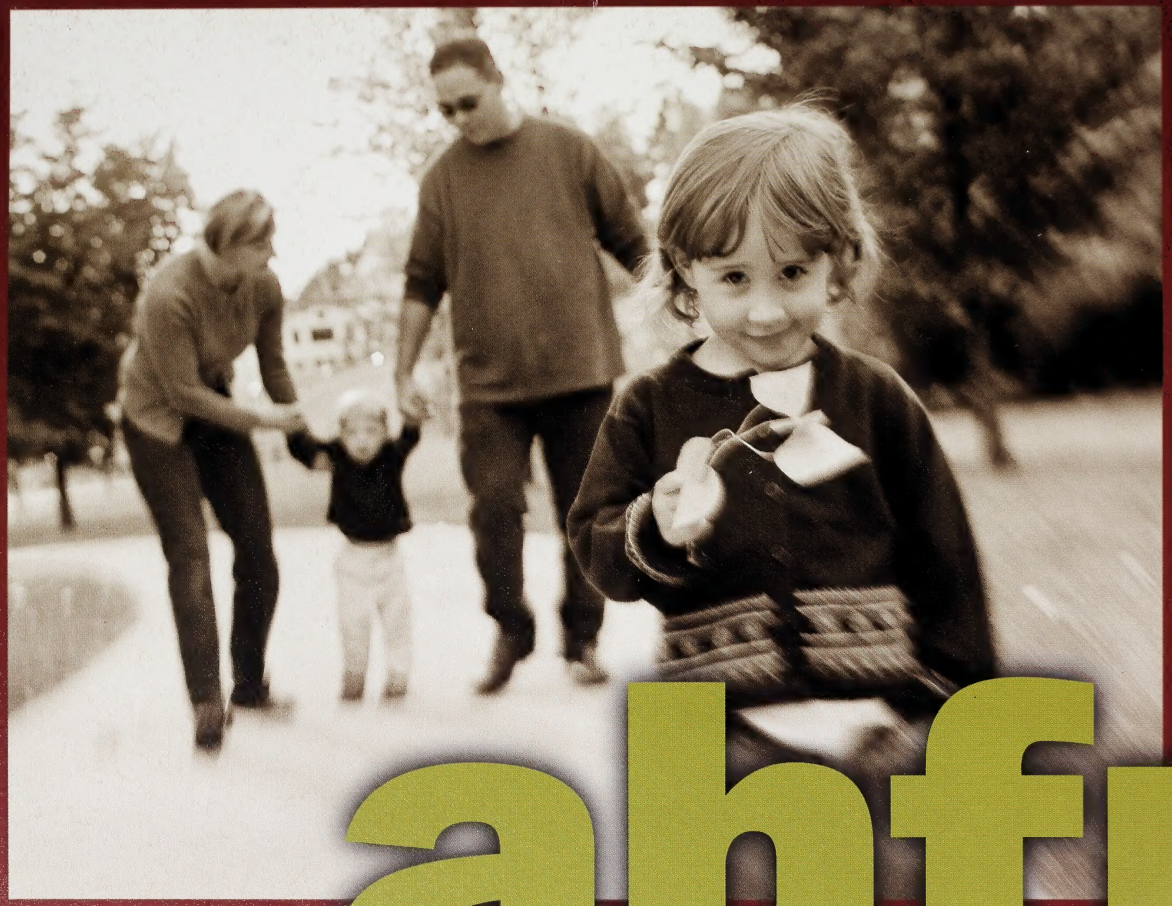


2001 ahfmr

ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH

2001 ahfmr

ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH

Dear friends,

Calendars often have beautiful scenes of majestic mountains, rolling plains, and tempestuous ocean vistas–scenes that fire the imagination, and enlighten with information about the unknown or unfamiliar. The calendar you have in your hands is a departure from this norm but we think it delivers the same messages.

We hope you'll enjoy the abstract beauty of images of human cells, mixed with compelling and original photographs of ordinary Albertans, which are used in these pages. We hope that you'll find yourselves imagining a future where research will have led to the optimal management or even eradication of the diseases and conditions that affect so many of us. And we know you'll learn more in these pages about the powerhouse of biomedical and health research ability this province is home to, largely through the presence and sustained support over the past 20 years of the Alberta Heritage Foundation for Medical Research (AHFMR).

The Alberta Heritage Foundation for Medical Research is a gift from the people of Alberta to the people of Alberta. Considered an audacious investment by many 20 years ago when it was created, none today can doubt the wisdom of the provincial government's creation of a $300 million endowment for a foundation dedicated to the long term support of biomedical and health research. AHFMR's successes are many and they continue to create other successes. Earlier this year, the provincial government replicated the AHFMR investment by the creation of the Alberta Heritage Foundation for Science and Engineering Research, a signal to the world that Alberta puts its money where its brains are.

This year has been a banner year for Heritage researchers. The Edmonton Protocol Type I diabetes treatment breakthrough, clinical trials underway for a new cancer therapy in Calgary, development of a new digital X-ray system to detect breast cancer—the excellence of Heritage research is applauded throughout the world and rewarded magnificently with new investments from government, industry, and international sources. Nearly 200 researchers and over 350 researchers-in-training are well-deserving of the prefix "Heritage." It is not an easy title to win. The rigours of our peer review system and the international standards of excellence by which we operate mean that only the best are supported by the Foundation.

AHFMR is independent from government, yet the checks and balances built into its framework ensure accountability to the people of Alberta while allowing the Foundation to do what it does best: invest in people and their ideas now, while the opportunity is offered, while the competitive edge exists. Leadership drives accountability and AHFMR has been most fortunate in having a continuum of leadership that is visionary, committed to excellence, and responsive to its community.

On behalf of the Board of Trustees of the Alberta Heritage Foundation for Medical Research we would like to applaud our many provincial, federal, and industry partners for their contributions to moving biomedical and health research forward in our province's and country's agendas. Above all, we want to thank the Alberta research community for its unstinting contributions of the highest calibre to our knowledge of human health.

Matthew W. Spence, President and CEO

Harley Hotchkiss, Chair, AHFMR Board of Trustees

Heritage Researchers *profiled in this calendar*

Explanations

U of A • University of Alberta
U of C • University of Calgary
U of L • University of Lethbridge
◆ not currently funded by AHFMR

The Health Research Fund is administered by AHFMR on behalf of Alberta Health and Wellness.

AHFMR's Technology Commercialization Program offers support and mentorship to help innovators develop their technologies for the marketplace.

AHFMR Major Equipment Grants help Alberta-based researchers purchase essential equipment.

AHFMR Establishment Grants provide start-up support to Alberta-based researchers.

Swift Efficient Application of Research in Community Health (SEARCH) is a unique program developed in Alberta to increase the capacity of research province-wide. SEARCH programs offer specific research learning opportunities to health practitioners and is organized in collaboration with Alberta Health and Wellness, the provincial health authorities, the Provincial Mental Health Board and with the valuable participation of the University of Alberta and the University of Calgary.

The Health Technology Assessment Unit at AHFMR conducts global literature reviews, upon request by health care providers, of the latest information about health tools, therapies, or health conditions.

Discovering the brain

Dr. Samuel Weiss is a Heritage Medical Scientist at the U of C, who also received support from AHFMR's Technology Commercialization Program.

Dr. Derrick Rancourt is a Heritage Scholar at the U of C.

◆ **Dr. Bryan Kolb** is a Professor in the Department of Psychology and Neuroscience at the U of L.

Dr. Jeffrey Kleim is a Heritage Scholar at the U of L.

Dr. Robert Campenot is a Heritage Medical Scientist at the U of A.

Dr. Tessa Gordon is a Heritage Medical Scientist at the U of A.

Dr. Lori Buchanan is a Heritage Scholar at the U of A.

Our heart

◆ **Dr. Robert Clark** is a researcher in the U of C's Faculty of Medicine.

Dr. Wayne Giles is a recipient of an AHFMR major equipment grant at the U of C.

Dr. Robert French is a Heritage Medical Scientist at the U of C.

Dr. Paul Kubes is a Heritage Medical Scientist at the U of C.

Dr. Jonathan Lytton is a Heritage Scholar at the U of C.

Dr. Paul Schnetkamp is a Heritage Medical Scientist at the U of C.

Dr. Katherine Kavanagh is a Heritage Scholar at the U of A.

Dr. Andrea Moor is a Heritage Postdoctoral Fellow. She is supervised by Heritage Medical Scientist Dr. Larry Fliegel at the U of A.

Dr. Rick Schulz is a Heritage Senior Scholar at the U of A.

Dr. Gary Lopaschuk is a Heritage Medical Scientist at the U of A, who also received support from AHFMR's Technology Commercialization Program.

Dr. Ivan Rebeyka holds an AHFMR Independent Establishment Grant at the U of A.

Women's health

Dr. Virginia McGowan is based at the U of L and receives support from the Health Research Fund.

Dr. Lynn Meadows is a Heritage Population Health Investigator at the U of C who also receives support from the Health Research Fund.

Dr. Kim Raine is a Heritage Health Scholar at the U of A, who also receives support from the Health Research Fund.

Dr. Nicholas Coupland is a Heritage Clinical Investigator at the U of A.

Dr. Jean-Michel Le Méllédo is a Heritage Clinical Investigator at the U of A.

Fighting cancer

Dr. Karl Riabowol is a Heritage Senior Scholar at the U of C.

Dr. Patrick Lee is a Technology Commercialization grant recipient at the U of C.

Dr. Kerry Courneya holds an AHFMR Independent Establishment Grant at the U of A and receives support from the Health Research Fund.

Dr. John Robinson is based at the Tom Baker Cancer Centre and receives support from the Health Research Fund.

Dr. Linda Cook is a Heritage Population Health Investigator with the Alberta Cancer Board's Division of Epidemiology, Prevention and Screening at the U of C.

Dr. Victor Tron holds an AHFMR Independent Establishment Grant at the U of A.

Immune system

Dr. Hanne Ostergaard is a Heritage Senior Scholar at the U of A.

Dr. Patrick Hessel is based at the U of A and received support from the Health Research Fund.

Seniors' health

Dr. David Hogan is based at the U of C and receives support from the Health Research Fund.

Monica Whitridge is a SEARCH II participant and a Program Specialist – Physical Therapy with Care in the Community – Home Care in Calgary.

Genetics & ethics

Tim Caulfield is a Heritage Population Health Investigator at the U of A.

Dr. Laura Shanner is a Heritage Health Scholar at the U of A.

Dr. Dennis Vance is a Heritage Medical Scientist at the U of A.

Dr. Linda Reha-Krantz is a Heritage Medical Scientist at the U of A.

Dr. Dan Muruve is a Heritage Clinical Investigator at the U of C.

Cell Research

Dr. Marek Michalak is a Heritage Medical Scientist at the U of A.

Dr. Chris Mody is a Heritage Scholar at the U of C.

Dr. Charles Holmes is a Heritage Senior Scholar at the U of A.

Dr. Chris Bleackley is a Heritage Medical Scientist at the U of A.

Dr. Manuel Hulliger is a Heritage Medical Scientist at the U of C.

Dr. Jim McGhee is a Heritage Medical Scientist at the U of C.

Dr. Paul Mains is a Heritage Medical Scientist at the U of C.

Dr. Sam Schürch is a Heritage Medical Scientist at the U of C.

Movement & exercise

Dr. Paul Salo is an AHFMR Clinical Investigator at the U of C.

Dr. Liam Martin is based at the U of C and receives support from the Health Research Fund.

Dr. Neil Duncan holds an AHFMR Independent Establishment Grant at the U of C.

Dr. Tim Heslip is an AHFMR Scholar at the U of C.

Mental health

Dr. Kathleen Hegadoren is a Heritage Population Health Investigator and an Assistant Professor in the Faculty of Nursing at the U of A.

Dr. Keith Dobson is based at the U of C and receives support from the Health Research Fund.

Dr. Scott Patten is a Heritage Population Health Investigator at the U of C.

Diabetes

Dr. Greg Korbutt is a Heritage Scholar at the U of A.

Dr. Jonathan Lakey is a Heritage Scholar at the U of A.

Dr. Irene Wanke is a Heritage Clinical Investigator at the U of C.

Dr. John Elliott is a Heritage Medical Scientist at the U of A.

Dr. Pere Santamaria is a Heritage Senior Scholar at the U of C.

Early life

Dr. Brenda Munro is based at the U of A and receives support from the Health Research Fund.

Dr. Kathrine Peters is based at the U of A and receives support from the Health Research Fund.

Dr. Dele Davis is a Heritage Scholar who is the Director of the Child Health Research Unit at Alberta Children's Hospital, Calgary.

Candace Hofmann is the 1999 Lionel McLeod Health Research Scholarship winner and a PhD student in the Department of Psychology at the University of British Columbia.

Health Economics

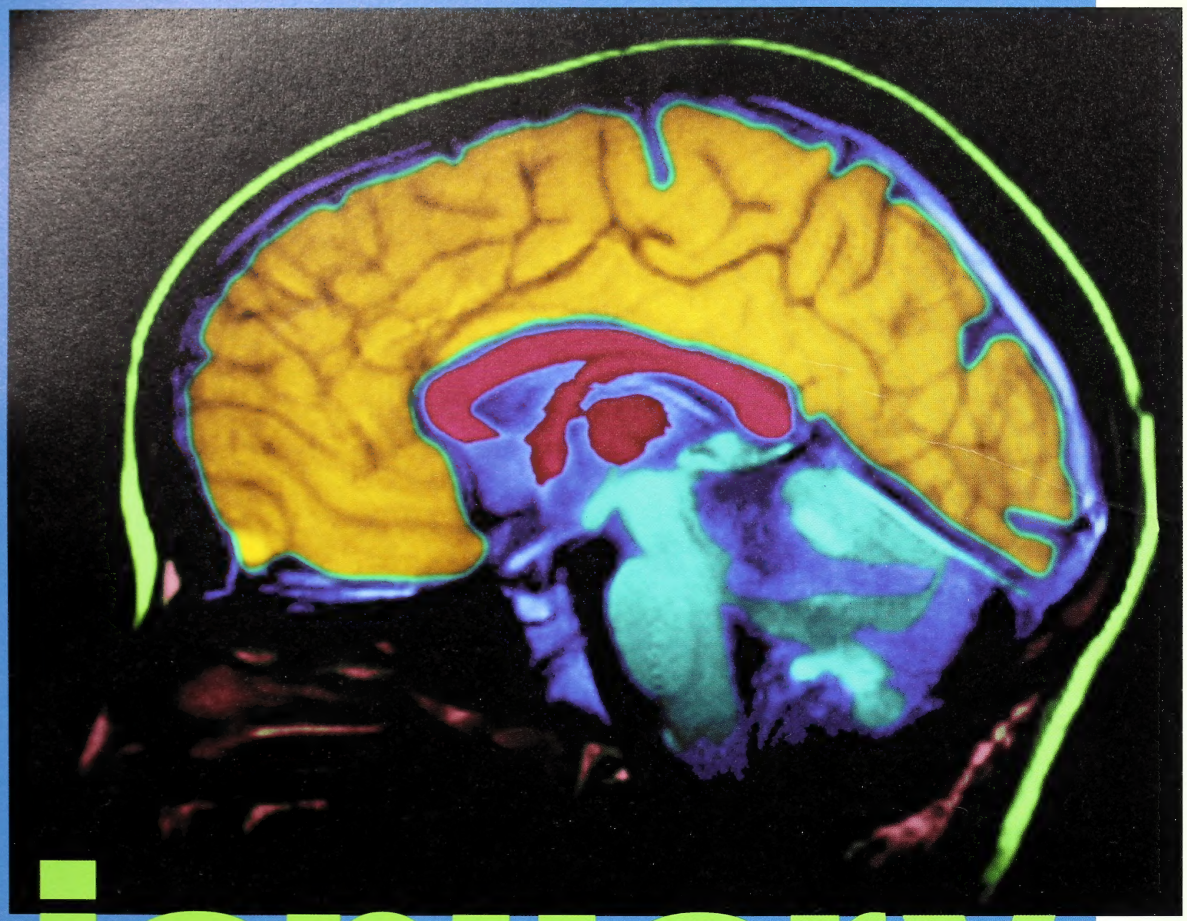
Dr. Cam Donaldson is a Heritage Health Senior Scholar at the U of C.

Dr. Keumhee C. Carrière is a Heritage Health Senior Scholar at the U of A.

Media Fellowship

Sara Binder was an AHFMR Media Fellow and is in her final year of medical school at the U of C.

discovering the brain



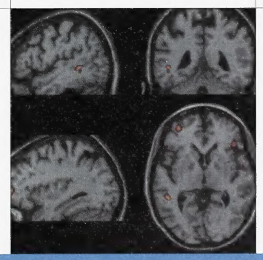
january

Dr. Samuel Weiss increased the potential for recovery from brain and spine injuries when he showed brain stem cells (stem cells are the precursors of mature cells) exist in all stages of brain development from embryo to adult. A few years later, he proved the existence of spinal stem cells. *Dr. Weiss* and colleagues *Dr. Derrick Rancourt* and *Dr. Brian Kolb* have formed a company, NeuroStasis, to begin developing their ideas into tools and therapies.

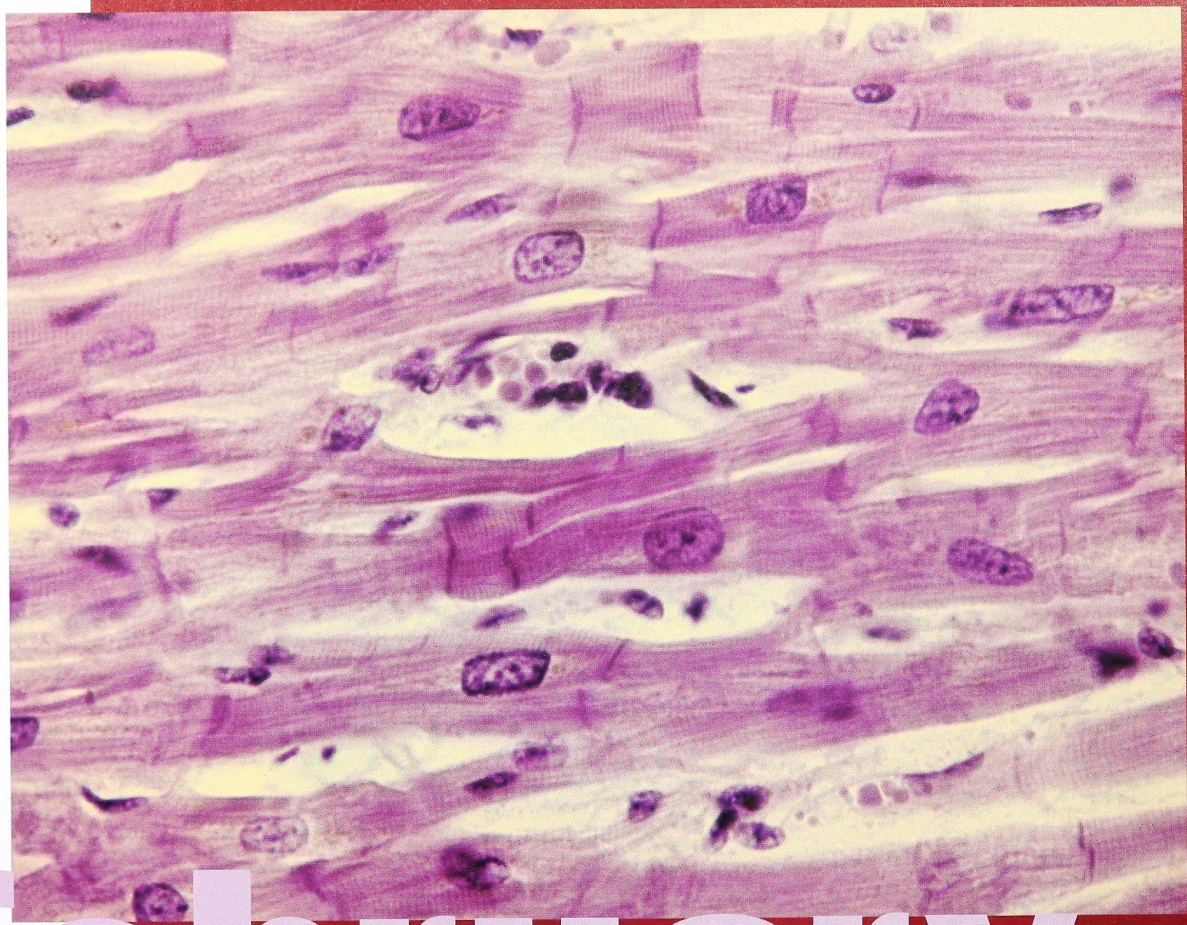
When someone has a stroke, surviving brain areas can grow to compensate for the injured area. *Dr. Jeffrey Kleim* is trying to identify rehabilitative therapies that would enhance this change in brain function and allow better recovery.

Dr. Robert Campenot's discovery of a way to make nerve cells in a petri dish behave as if they were in a living organism has advanced understanding of the signals involved in nerve growth factors, the repairmen of injured nerves.

Damaged peripheral nerves can heal but repair occurs slowly and over huge distances, often resulting in permanent tissue damage. *Dr. Tessa Gordon* has shown that electrical stimulation may be a promising therapy to accelerate peripheral nerve growth. •

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1 New Year's Day	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

our heart



february

Taking a common drug normally used to treat acne may one day also help reduce damage caused by heart attacks.

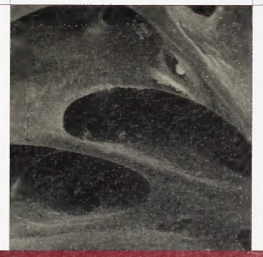
It is not the antibiotic effect but another chemical effect that it has on heart cells that *Dr. Rick Schulz* found may prevent injury to the organ.

Dr. Andrea Moor is an award-winning postdoctoral fellow who is gaining a better understanding of some of the cellular processes that contribute to heart disease. She demonstrated for the first time how a particular protein helps maintain a proper balance between acid and alkaline pH in heart cells.

Pediatric heart surgeon *Dr. Ivan Rebeyka* believes that the earlier heart problems can be treated, the more developmental damage can be averted. He is exploring the possibility of conducting heart surgery on fetuses in the womb. ●

ahfmr funding

The ion channel basic heart research group at the University of Calgary consists of six scientists, five of whom have been supported by AHFMR for a total of 78 years. In 1999, the group received $463,000 in funding from AHFMR. The group members—Dr. Wayne Giles, Dr. Robert French, Dr. Paul Schnetkamp, Dr. Paul Kubes, Dr. Jonathan Lytton and Dr. Robert Clark—have generated five times that amount in outside funding for a total of $2.5 million.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1	2	3
4	5	6	7	8	9	10
11	12	13	14 Valentine's Day	15	16	17
18	19 Family Day (Alberta)	20	21	22	23	24
25	26	27	28			

women's health

march

Learning what perceptions people have about their health links directly to what health services are or should be provided. *Dr. Lynn Meadows* has embarked on a multi-year research effort to gather information from scores of midlife women, from rural, urban, native and immigrant backgrounds about their perceptions of their health.

Dr. Kim Raine conducts research into the role gender issues play in health. She studies the effects of media messages on how women view their body image. Dr. Raine is also studying the experiences of single mothers in low-income households and their struggles to feed their children.

Panic disorder, a state of extreme anxiety thought to be caused by psychological and biological factors, can lead to sufferers withdrawing from life unless treated. The research of *Drs. Jean-Michel Le Méllédo* and *Nicholas Coupland* has suggested there may be changes in the same brain chemical in women who suffer severe premenstrual mood changes and those who have panic disorder.

Alberta has the shortest lengths of maternity hospital stays in Canada. Several participants in *AHFMR's Swift Efficient Application of Research in Community Health (SEARCH) Program*, undertook to find out how short hospital stays affect maternal and newborn health. Their research showed short stays, with supportive services, are safe and optimal, and that current practice needs review and ongoing research.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
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4	5	6	7	8	9	10
11	12	13	14	15	16	17 St. Patrick's Day
18	19	20	21	22	23	24
25	26	27	28	29	30	31

fighting cancer

A unique research and intervention program designed for women who have gynecological cancer addresses and treats patients' concerns about the effects of cancer on their sexuality and sexual functioning. The program, developed by *Dr. John Robinson*, demonstrates that improving quality of life for cancer patients is just as important as curing them of the disease.

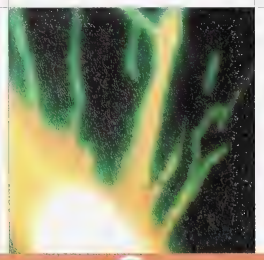
Ovarian cancer is one of the most lethal forms of cancer. It is called the disease that whispers because it is so difficult to diagnose until it has spread beyond the ovary. *Dr. Linda Cook* has teamed up with other scientists to try to detect early changes in ovarian tissue that might progress to cancer.

Why is it that not everyone who is exposed to the sun gets skin cancer? *Dr. Victor Tron's* research focuses on genes involved in the development of skin cancer. His work may eventually lead to ways to prevent and even cure the disease.

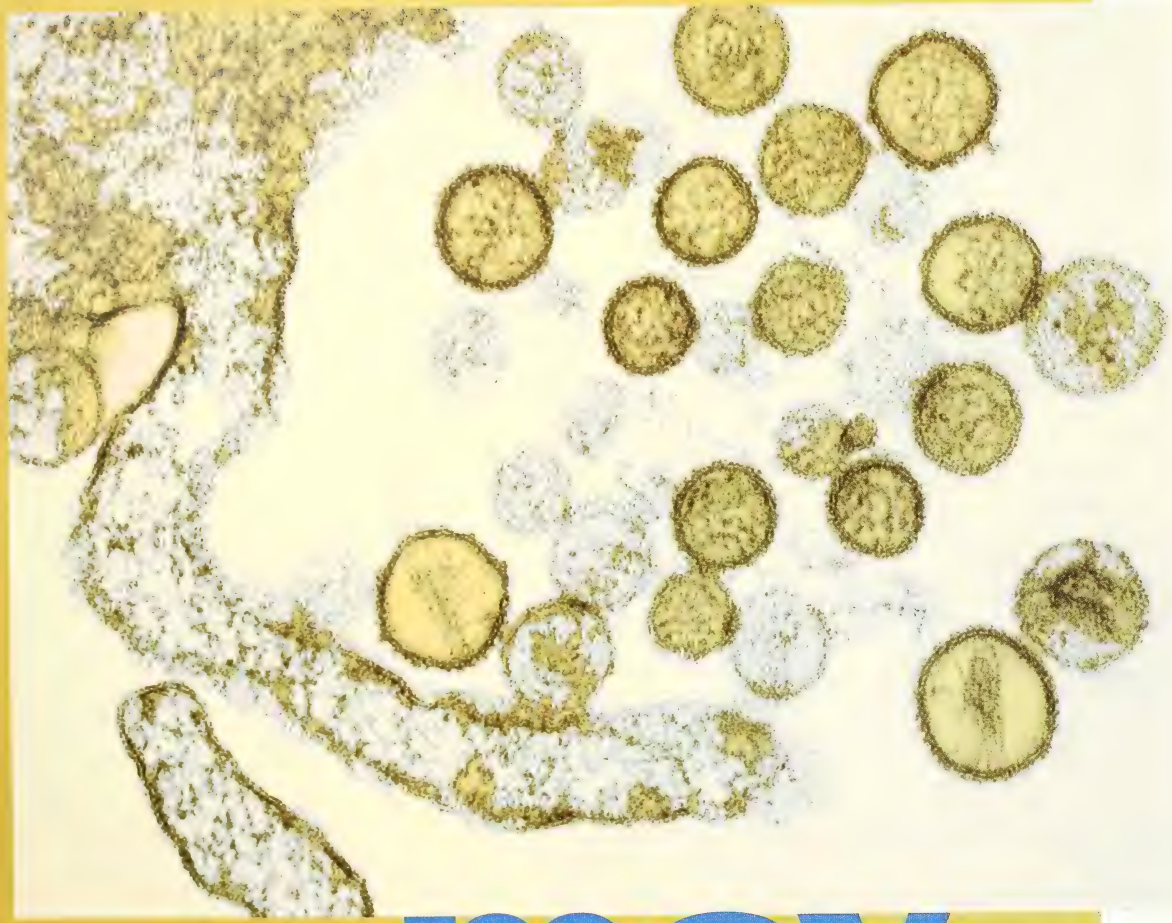
ahfmr funding

AHFMR has awarded approximately $21 million over the past two decades to support basic biomedical research related to cancer.

april

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1 Daylight Savings Time at 2 am	2	3	4	5	6	7
8	9	10	11	12	13 Good Friday	14
15 Easter Sunday	16 Easter Monday	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

immune system



may

Killer T-cells in the immune system attack abnormal cells, helping keep disease at bay. *Dr. Hanne Ostergaard* is deciphering T-cell signalling, which could eventually help transplant patients and people with autoimmune diseases. These patients are more at risk for other diseases because they have to take powerful immune suppressants. Specific immune system controls such as being able to turn T-cell signals off and on may ensure a better quality of life for patients.

AHFMR's Health Technology Assessment unit conducted a recent review on Multiple Chemical Sensitivity (MCS), a condition in which sufferers react to chemicals in their daily environments. The HTA Report concluded that further research is warranted as the causes of MCS are unknown and the condition incapacitates about 1% of the population.

Dr. Patrick Hessel's "Attack on Asthma" project, coordinated by the Alberta Lung Association, surveyed more than 5000 Alberta schoolchildren to capture current asthma data rates. In-depth surveys identified risk factors for asthma in Red Deer and Medicine Hat. The information is already leading to programs for improving lung health and better management of asthma.

The lungs of some premature babies lack a vital coating called surfactant that helps the infants breathe. *Dr. Sam Schürch* has developed a tool to measure the effectiveness of artificial surfactants to correct this life-threatening problem. ●

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
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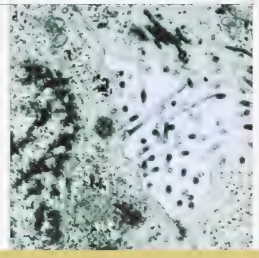
13 Mother's Day	14	15	16	17	18	19
20	21 Victoria Day	22	23	24	25	26
27	28	29	30	31		

seniors' health

Health Canada reports that by 2021, one in five Canadians will be 65 years of age or older. Heritage-supported researchers are investigating the social, economic, and psychological impact of injuries and health problems related to our increasingly aging population.

AHFMR's Health Technology Assessment unit did an assessment on intraocular lenses which led to Alberta Health and Wellness funding soft lens implants for cataract surgery—the majority of patients affected are seniors.

Nearly one third of seniors have one or more falls a year. *Dr. David Hogan's* research team assesses such information as types of medication taken, number of steps in a house, and footwear worn for fall risks in the homes of senior volunteers.

Physical therapist *Monica Whitridge* and her colleagues are testing a tool to help them better distinguish between patients who may require placement in a permanent care facility and those who could receive care in their own homes as long and safely as possible. Ms. Whitridge is a participant in SEARCH (Swift Efficient Application of Research in Community Health), an AHFMR regional training program that provides healthcare professionals with research expertise. •

june

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
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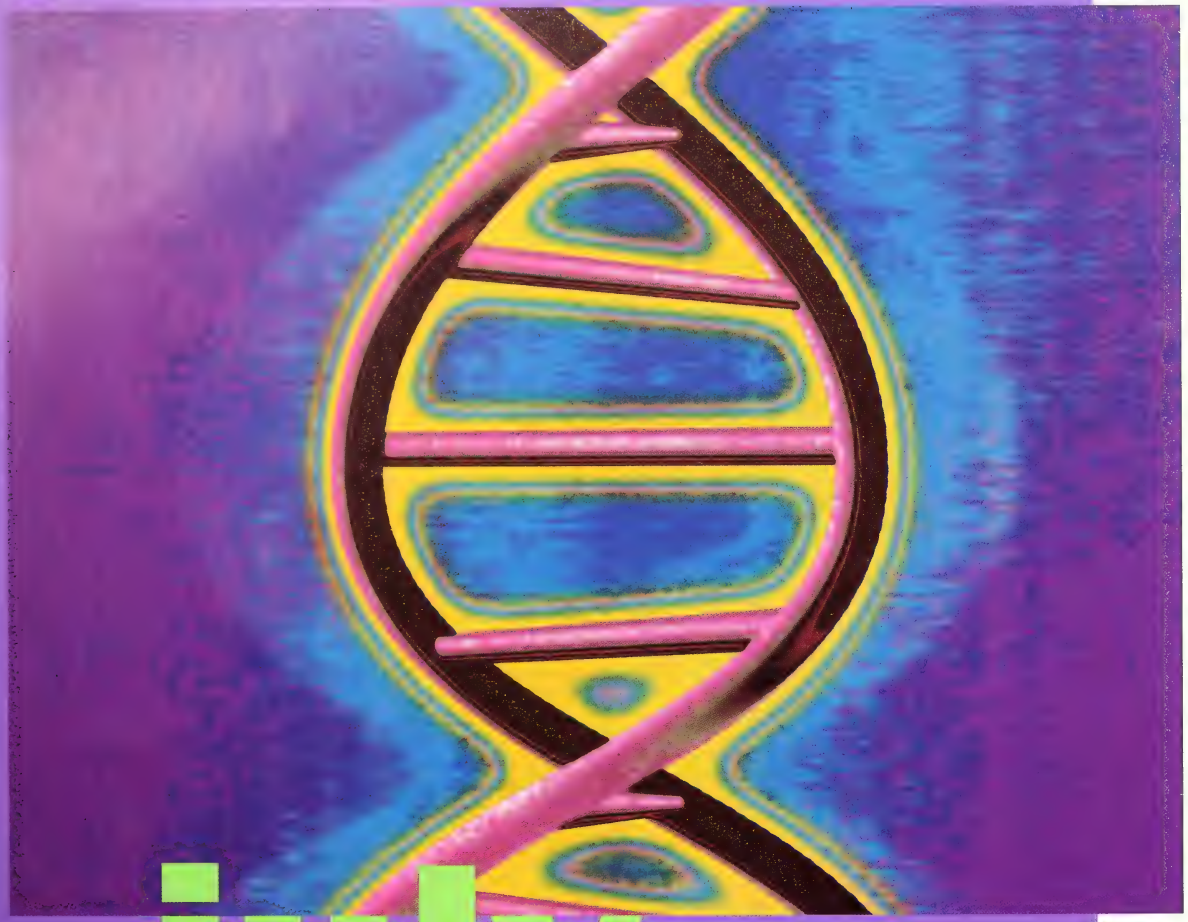
17 Father's Day	18	19	20	21	22	23
24	25	26	27	28	29	30

genetics & ethics



july

Gene therapy is an amazing medical breakthrough that could mean the end to a host of life-threatening genetic diseases. The process involves replacing faulty or missing genes with healthy genes in the cells. Genes produce proteins that help the cells work properly. Heritage researchers are keeping pace with the breakthroughs in gene therapy and receiving worldwide attention for discoveries in diabetes and asthma research.

Dr. Laura Shanner is working in the forefront of reproductive ethics. She examines the ethical and social implications of multiple births, embryo donation, pregnancy intervention, and proposed federal legislation to regulate reproductive and genetic technologies.

Dr. Linda Reha-Krantz's efforts in the lab have provided a better understanding of the replication mechanisms of DNA, the blueprint of life. Her research has led to a major improvement in the ability to determine DNA sequences.

Virus vectors are one way scientists deliver healthy genes to targetted cells. As part of his research *Dr. Dan Muruve* studies the biology of modified viruses used for gene therapy and develops strategies to allow the safer delivery of new genes to cells and organs.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1 Canada Day	2	3	4	5	6	7
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15	16	17	18	19	20	21
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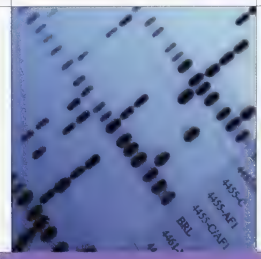
29	30	31				

cell research

Our bodies contain 50 to 70 trillion cells. Every second about six trillion reactions take place in each of them. Heritage researchers are helping to uncover the secrets of the biochemical and energy processes cells perform and DNA (the genetic information they store).

When a person has AIDS their immune system slowly shuts down. *Dr. Chris Mody* works with AIDS patients to try to trigger the remaining parts of their immune systems to compensate for functions that are no longer there.

Tests conducted by *Dr. Charles Holmes* revealing harmful levels of toxins in blue-green algae food supplements resulted in Health Canada issuing a warning to Canadians that microcystins, toxins involved in serious liver damage, were found in a number of blue-green algae food supplements.

Dr. Chris Bleackley's research focuses on killer T-cells and how they directly attack and destroy tumour or virus-infected cells. His discoveries in this area could pave the way for new drugs to stop the body's rejection of transplanted organs.

august

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	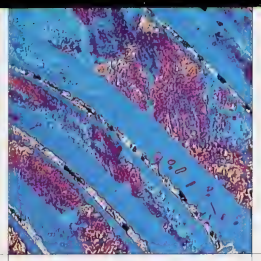		1	2	3	4
5	6 Civic Holiday	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

movement & exercise

Heritage researchers in Calgary and Edmonton are investigating the benefits of exercise in treating a diverse group of health problems. They are examining the role exercise may play in improving the quality of life and chances for recovery of people with diseases or conditions such as cancer or fibromyalgia. Other Alberta scientists are looking at the link between movement and aging in the areas of disc degeneration, joint injury, and arthritis.

As mice get older, they spontaneously lose much of the nerve supply to their joints. *Dr. Paul Salo* is trying to find a connection between this condition and the development of arthritis and its occurrence in humans.

Rheumatologist *Dr. Liam Martin* is exploring a new avenue of study for fibromyalgia. He and Dr. Bonnie Kaplan are testing a nutritional supplement to see if it can improve the health of fibromyalgia sufferers.

Genetic material from the tiny Drosophila fruit fly may help *Dr. Tim Heslip* to identify similar genes involved in the progression of arthritis, joint injury and cancer in humans. He hopes to identify targets that will be used to treat these diseases.

september

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2	3 Labour Day	4	5	6	7	8
9	10	11	12	13	14	15
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october

Dr. Kathy Hegadoren has found many depressed women who have a history of traumatic events in their lives have long-term biological changes similar to combat veterans with post-traumatic stress disorder. Twice as many women as men are diagnosed with depression and *Dr. Hegadoren's* continuing work could offer valuable information to help improve therapies specifically for women.

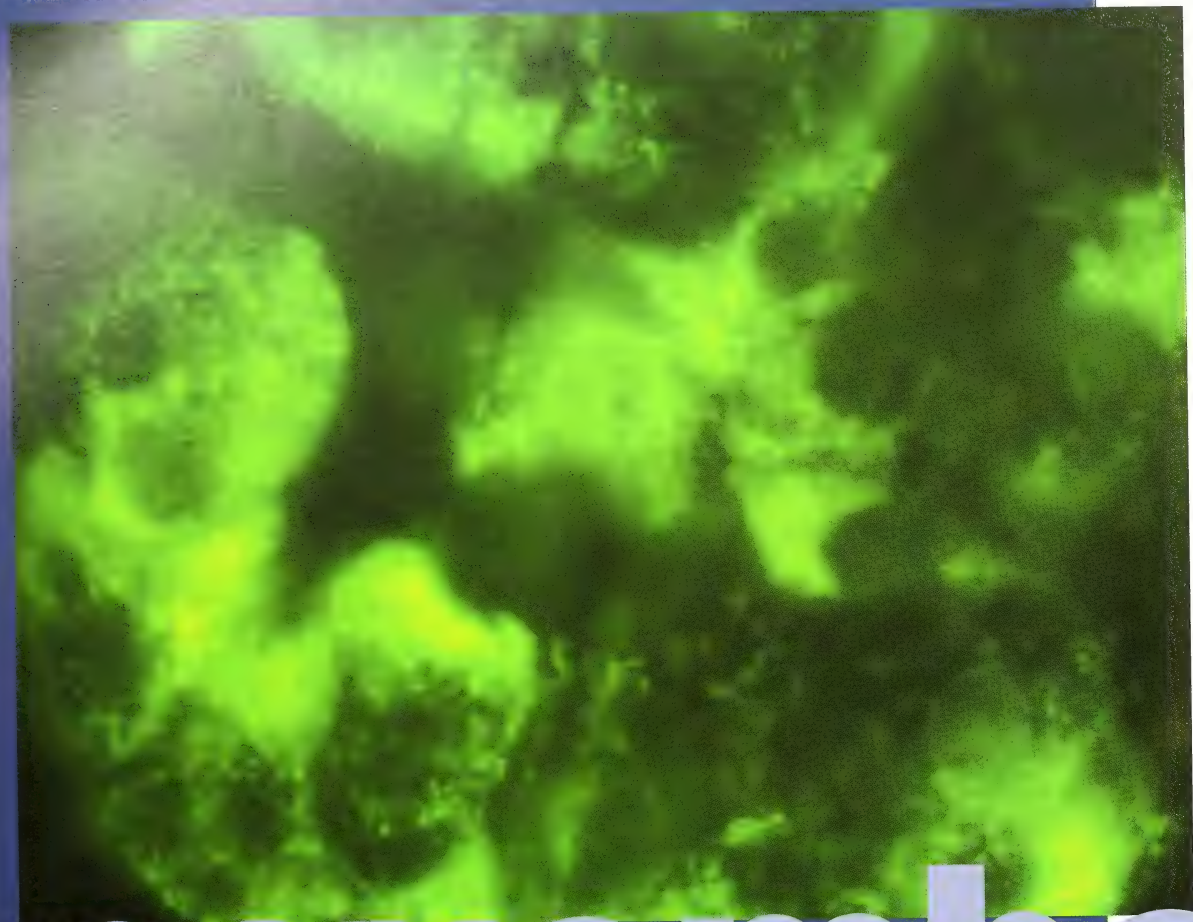
Clinical depression is a serious and prevalent mental illness with tremendous costs for society. Up to 50% of clinically depressed people experience as many as six recurrences in their lifetimes. *Dr. Keith Dobson* is working with depression patients to try and identify which people will experience relapses and what psychosocial variables distinguish them from patients who do not relapse, in order to plan effective intervention programs.

Dr. Scott Patten's research explores innovative ways to predict and prevent depression. He has also studied delirium, a state of mental confusion, often nightmarish illusions, restlessness, and incoherence that can result from adverse drug reactions. His research results will be used to develop guidelines for the prevention of depression and delirium.

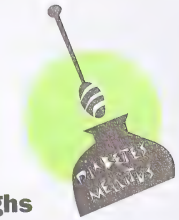
A Health Technology Assessment conducted on the viability of telemedicine showed that the new technology, which links up patients in remote areas with doctors in urban areas through video and phone lines, is a good fit with psychiatry. A pilot project in telepsychiatry showed the potential for improved access to psychiatric care.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	2	3	4	5	6
7	8 Thanksgiving	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28 Back to Standard Time 2:00 am	29	30	31 Halloween			

diabetes



november



The annual cost of treating Canada's two million diabetics is estimated at $9 billion. Alberta is leading the world in breakthroughs for the treatment of diabetes.

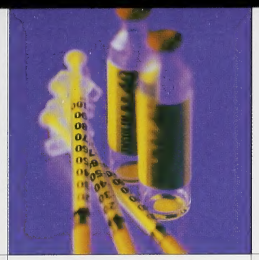
Dr. Greg Korbutt and *Dr. Jonathan Lakey* are part of a team, led by *Dr. Ray Rajotte*, which developed a world first in diabetes treatment. The "Edmonton Protocol" as their islet transplantation procedure is termed, has had a 100% success rate in all of the diabetics who have received this treatment. All patients treated had the most serious and debilitating form of Type I diabetes (Juvenile diabetes). All are insulin independent today.

Dr. Irene Wanke is a researcher and doctor working to genetically engineer the liver as a new source of insulin. She made a gene that allows the liver to make insulin that lowers blood sugar levels in laboratory experiments.

Dr. Pere Santamaria injected a key protein in mice predisposed for juvenile diabetes and found he was able to stop the destruction of insulin-producing cells, preventing the disease. His next step is to try to define how this therapy can be adapted to humans. ●

ahfmr funding

AHFMR has awarded more than $13 million over the past two decades to diabetes researchers at the University of Alberta. and the University of Calgary.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1	2	3
4	5	6	7	8	9	10
11 Remembrance Day	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

A common bacterium, Streptococcal (GBS) can prove deadly in some cases if infected pregnant women transmit it to their newborns. Because carriers of Strep B do not appear sick, screening is vital. If the result is positive, a pregnant woman can be treated with antibiotics as she is delivering. *Dr. Dele Davies* is doing preliminary research towards a Strep B vaccine in order to overcome problems with potential antibiotic resistance.

Candace Hofmann won the Lionel McLeod Health Research Scholarship in 1999, a prestigious award given to a top AHFMR student in either British Columbia or Alberta. Ms. Hofmann's Ph.D. research is focused on fetal alcohol syndrome and its effect on chemical signals in the brain.

Dr. Brenda Munro is investigating what makes adolescents, including children from different ethnic backgrounds, vulnerable to risky behaviour. Information gathered by her research team will be key in designing effective programs and policies to reduce health risks. ●

ahfmr funding

Edmonton is home to the Perinatal Research Centre, a top ranked multi-disciplinary research group based at the University of Alberta and the Royal Alexandra Hospital. In the past four years the Centre has received $2.7 million in AHFMR funding. The Centre's researchers have doubled that amount for a total of nearly $6 million in outside funding.

december

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23/30	24/31	25 Christmas Day	26 Boxing Day	27	28	29

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ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH

AHFMR Mission

AHFMR supports a community of researchers who generate knowledge that improves the health and quality of life of Albertans and people throughout the world. AHFMR's long-term commitment is to fund basic, patient and health research based on international standards of excellence and carried out by new and established investigators and researchers in training.

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